

No.

7700025



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Gold Kist, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT.

UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'Brooks'



In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington
this 20th day of September in
the year of our Lord one thousand nine
hundred and seventy-eight

Attest:

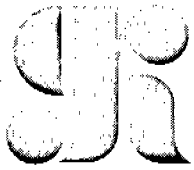
[Signature]
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY Brooks		1b. VARIETY NAME Brooks		FOR OFFICIAL USE ONLY PV NUMBER 7700025	
2. KIND NAME SOYBEAN R ¹ Permanent designation		3. GENUS AND SPECIES NAME Glycine max		FILING DATE 1-4-77	TIME 2:30 A.M. P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae		5. DATE OF DETERMINATION November 1975		FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	DATE 1-4-77 12-28-77 7-17-78
6. NAME OF APPLICANT(S) Gold Kist Inc.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P. O. Box 2210 Atlanta, Georgia 30301			8. TELEPHONE AREA CODE AND NUMBER
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)			10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Georgia		11. DATE OF INCORPORATION June 29, 1936
12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers: Bobby G. Jones Soybean Breeder Gold Kist Research P. O. Box 644 Ashburn, Georgia 31714 912/567-3297 Dr. J. E. Marion Director of Research Gold Kist Research Center P. O. Box 338 Lithonia, Georgia 30058 404/482-7466					
13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:					
<input checked="" type="checkbox"/> 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)					
<input checked="" type="checkbox"/> 13B. Exhibit B, Novelty Statement.					
<input checked="" type="checkbox"/> 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)					
<input checked="" type="checkbox"/> 13D. Exhibit D, Additional Description of the Variety.					
14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
14B. Does the applicant(s) specify that this variety be limited as to number of generations? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		14C. If "Yes," to 14B, how many generations of production beyond breeder seed? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED			
15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					
16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					
11-23-77 (DATE)		1 (SIGNATURE OF APPLICANT)			
(DATE)		(SIGNATURE OF APPLICANT)			



Gold Rust inc.

East Washington St./P.O. Box 644 Ashburn, Ga. 31714 Phone 912 567-3311

April 20, 1978

Mr. Robert J. Snyder
Examiner, Plant Variety
Protection Office
United States Dept. of Agriculture
Agricultural Marketing Service
Livestock, Poultry, Grain & Seed Div.
National Agricultural Library Building
Beltsville, Maryland 20705

Dear Mr. Snyder:

Subject: Soybean Application No. 7700025, "Brooks"

Revised Exhibit 13A

Hilum color will vary from medium brown to light brown. This is due to environment and maturity.

Brooks is uniform and stable for all other characters and has no other variance.

Thank you for your patience and cooperation.

Sincerely,

Bobby G. Jones
Soybean Breeder

BGJ:rsp

cc: Dr. J. E. Marion

EXHIBIT 13A: ORIGIN AND BREEDING HISTORY OF THE VARIETY

Brooks soybean was developed by continuous selection from an intervarietal cross between Bragg and Hood. The initial cross was made in 1970, and composited in the F₆ generation.

EXHIBIT 13B: NOVELTY STATEMENT

"Brooks" soybean most closely resembles the variety "Bragg" except "Brooks" has a brown hilum color while "Bragg" has a black hilum color. Leaves on "Brooks" are slightly slimmer than "Bragg"; "Brooks" leaf width measures 60mm and length 119mm while "Bragg" has a leaf width of 65mm and a length of 124mm. Oil quality of "Brooks" exceeds "Bragg" based on lower iodine No. (130.0 vs 133.0).

EXHIBIT 13D: OBJECTIVE DESCRIPTION OF THE VARIETY

Brooks soybean is a determinate type plant with a Group VII maturity, averaging 3 days earlier than Bragg and is best adapted to Georgia, North Carolina, Southeastern Virginia, and North Florida. It is similar to Bragg in growth type and appearance; but plants are slightly more compact. Brooks is resistant to shattering, Bacteria Pustule, Powdery and Downey Mildew. Seeds are oval and number 2 and 3 per pod. It has a lodging^{1/} score of 2.0 with a plant height averaging 31 inches tall.

1/ 1=No lodging; 5=All plants down badly.

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant shape	Bragg	Petiole angle	Bragg
Leaf shape	Bragg	Seed size	Cobb
Leaf color	Bragg	Seed shape	Bragg
Leaf surface	Bragg	Seedling pigmentation	Bragg

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY:

VARIETY	NO. OF DAYS TO MATURITY	LODGING SCORE	PLANT HEIGHT	LEAF SIZE		CONTENT		AVERAGE NO. OF PODS PER PLANT	IODINE NO.
				Width	Length	Protein	Oil		
Submitted	159	1.7	36	60mm	119mm	36.6	19.6%	66	130.0
Name of similar variety Bragg	167	2.0	28	65mm	124mm	38.5	20.0	60	133.0

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for completing this form:

1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

LEAF COLOR: Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

COLOR	VARIETY
Light Green	"Ada"
Medium Green	"Wilkin"
Dark Green	"Swift"

LEAF SIZE: The following varieties may be used as a guide to identify the relative size leaves.

SIZE	VARIETY
Small	"Amsoy"
Medium	"Bonus"
Large	"Anoka"

PLANT TYPE: The following varieties may be used as a guide to identify the plant type.

TYPE	VARIETY
Slender	"Vansoy"
Intermediate	"Wirth"
Bushy	"Adelphia"

7700025

~~EXHIBIT D: DATA INDICATIVE OF NOVELTY~~

~~Advanced yield trials conducted at various locations by Gold Kist Research personnel, show outstanding performances by Brooks (Table 1).~~ R/S

EXHIBIT E: STATEMENT OF THE BASIS OF APPLICANTS OWNERSHIP

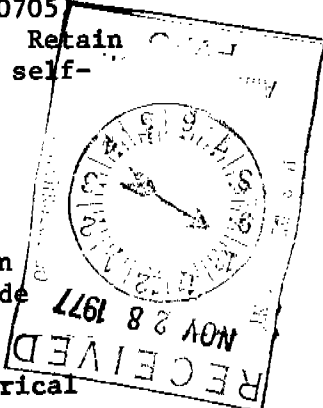
Gold Kist Inc., one of the larger farm cooperatives, being heavily soybean oriented, and having soybean marketing facilities in many parts of the Southeastern United States, made a decision in 1969, to initiate its own soybean research program.

The Gold Kist soybean variety improvement program was begun in 1969, under the direction of Dr. J. E. Harvey with headquarters in Ashburn, Georgia. When the program was initiated, the general objective was to engage in research which would directly or indirectly result in improved soybean varieties which would be acceptable to all segments of the industry from the grower to the consumer. Working toward this objective, the hybridization and pedigree selection method of plant breeding has been used. From this program Brooks has been developed and Gold Kist is the owner of this variety. The author is a plant breeder employed by Gold Kist.

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705 (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

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- 5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.
- 13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.
- 13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.
- 14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

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Leaf color	Bragg	Seed shape	Bragg
Leaf surface	Bragg	Seedling pigmentation	Bragg

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